



Air Force Research Laboratory | AFRL

Science and Technology for Tomorrow's Aerospace Forces

Success Story

LOGISTICIAN'S CONTINGENCY ASSESSMENT TOOLS (LOGCAT)



LOGCAT is a suite of automated decision support tools for crisis action planning across all levels of command in logistics command and control. These tools support the Air Force Core Competencies of Agile Combat Support and Rapid Global Mobility. They also provide proactive identification of logistics-related mission critical limiting factors through reduced response planning time and execution cycle, deployment footprint, man-hours, and time to deploy at the wing level.



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Accomplishment

LOGCAT's technologies aid today's and tomorrow's deployment and beddown planners at all levels of the Air Force (AF). LOGCAT programs have the potential to revolutionize the entire Agile Combat Support planning and execution process.

The Aerospace Expeditionary Force (AEF) Battlelab Integrated Planning and Execution Capability Initiative field tested the LOGCAT tools, identifying them to the Air Force Requirements Oversight Council as critical AEF enablers and recommending them for AF implementation.

Several high visibility joint and service-unique wargames/experiments, such as Global Engagement '98, '99 and Expeditionary Forces Experiment '98, '99, tested the LOGCAT tools as primary logistics inputs. The tools were so successful the AEF selected them as the Agile Combat Support infrastructure and baseline for Joint Expeditionary Forces Experiment '00 and beyond.

Background

The LOGCAT program began in 1995 as an integrated suite of logistics command and control applications developed by Air Staff planners, local contractors, and Major Command functional representatives. Using a combination of commercial off-the-shelf and government proprietary products in its design, the LOGCAT team developed several proof-of-concept software programs.

The team designed these tools to operate with existing legacy systems in the Secret Internet Protocol Routing Network environment. The LOGCAT team transitioned three components of the LOGCAT suite (Survey Tool for Employment Planning, Beddown Capability Assessment Tool, and the Employment Knowledge Base) to the Air Staff sponsor and Standard Systems Group at Gunter AFB, Alabama for full operational production and worldwide implementation.

A fourth component of LOGCAT, the Logistics Analysis to Improve Deployability (LOG-AID), shows promise for improving the base level deployment process. The Air Staff plans to incorporate LOG-AID into AF deployment instructions and policy.

Additional information

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTT, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (00-HE-06)